

FIGURE 1A

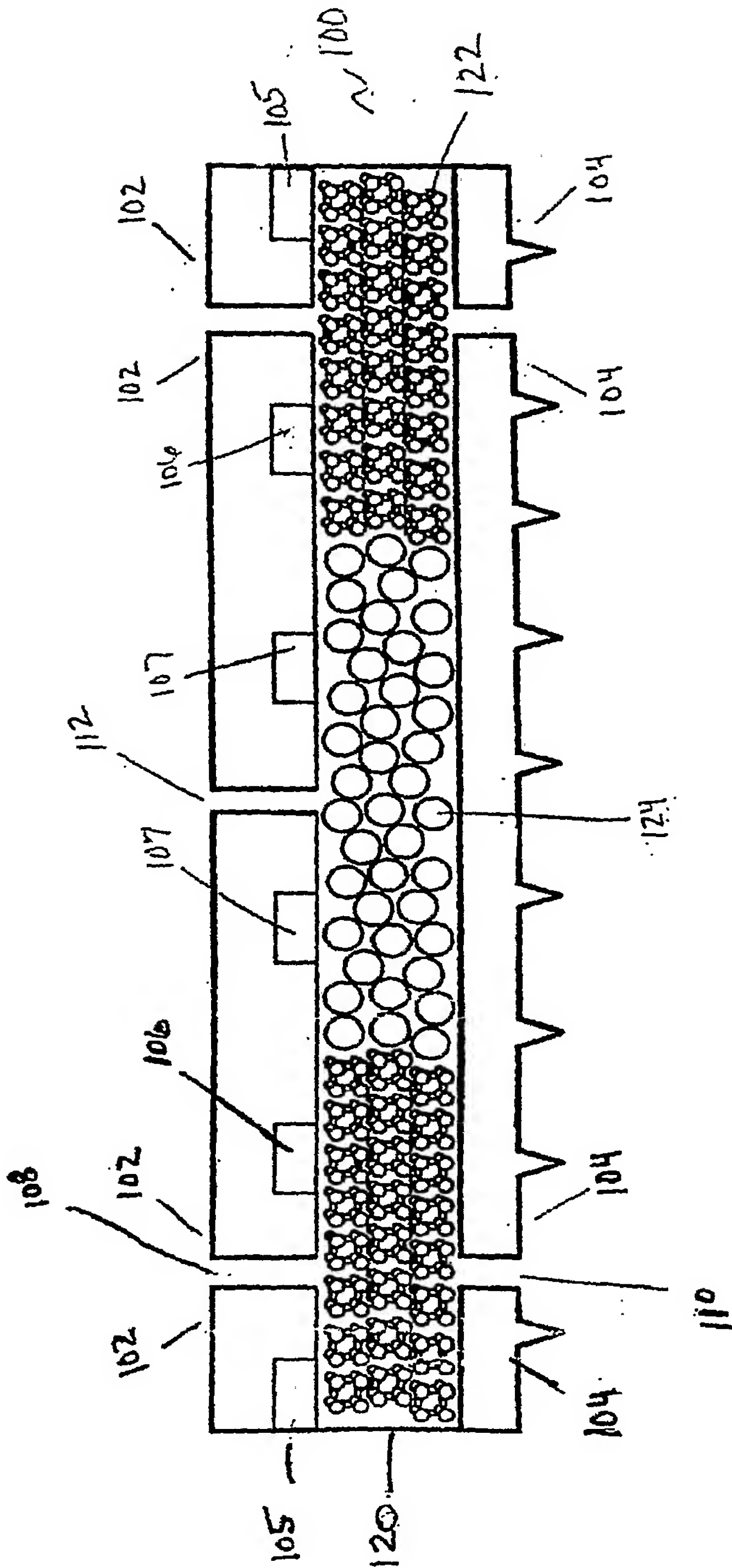


FIGURE 1B

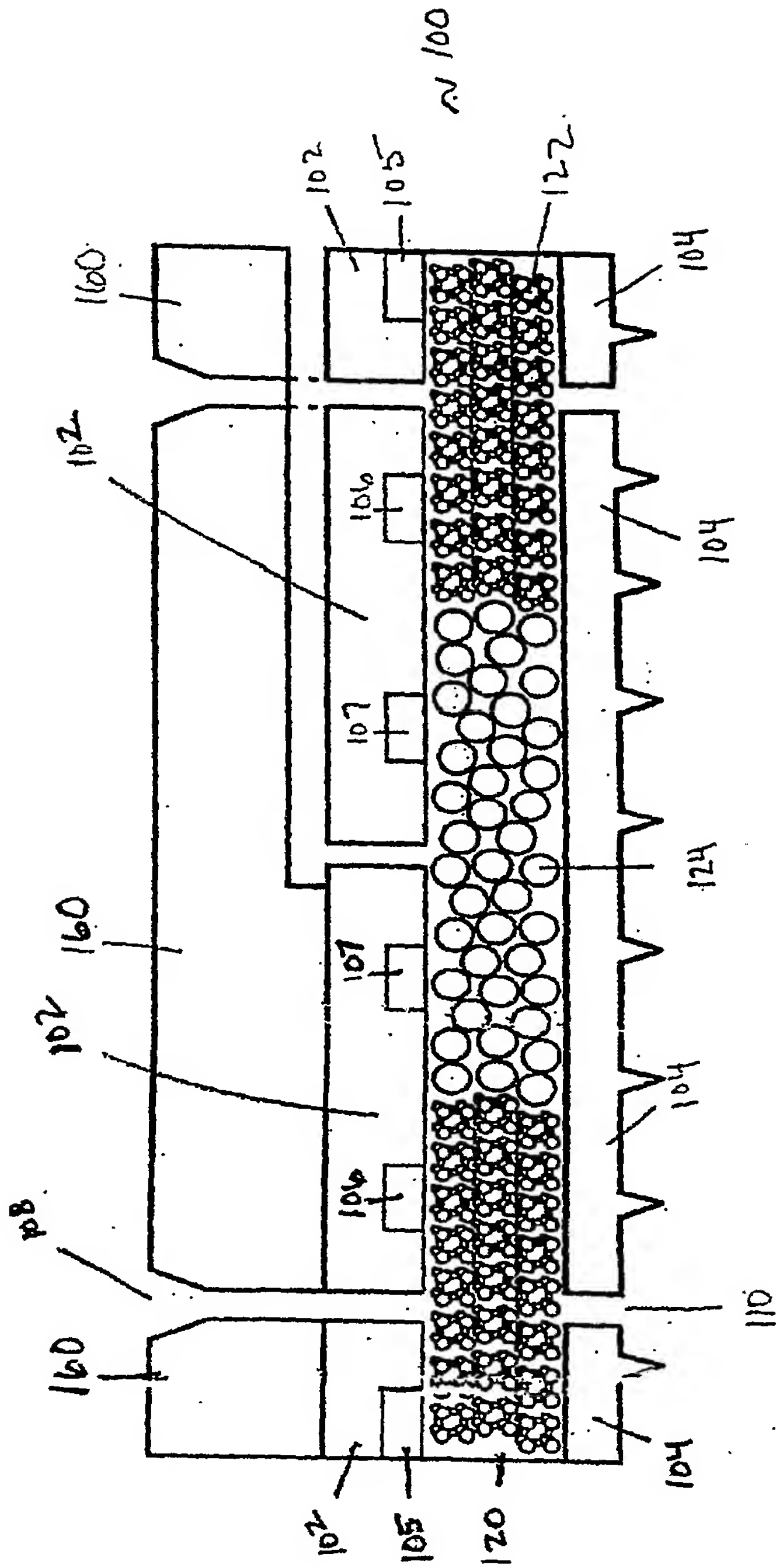
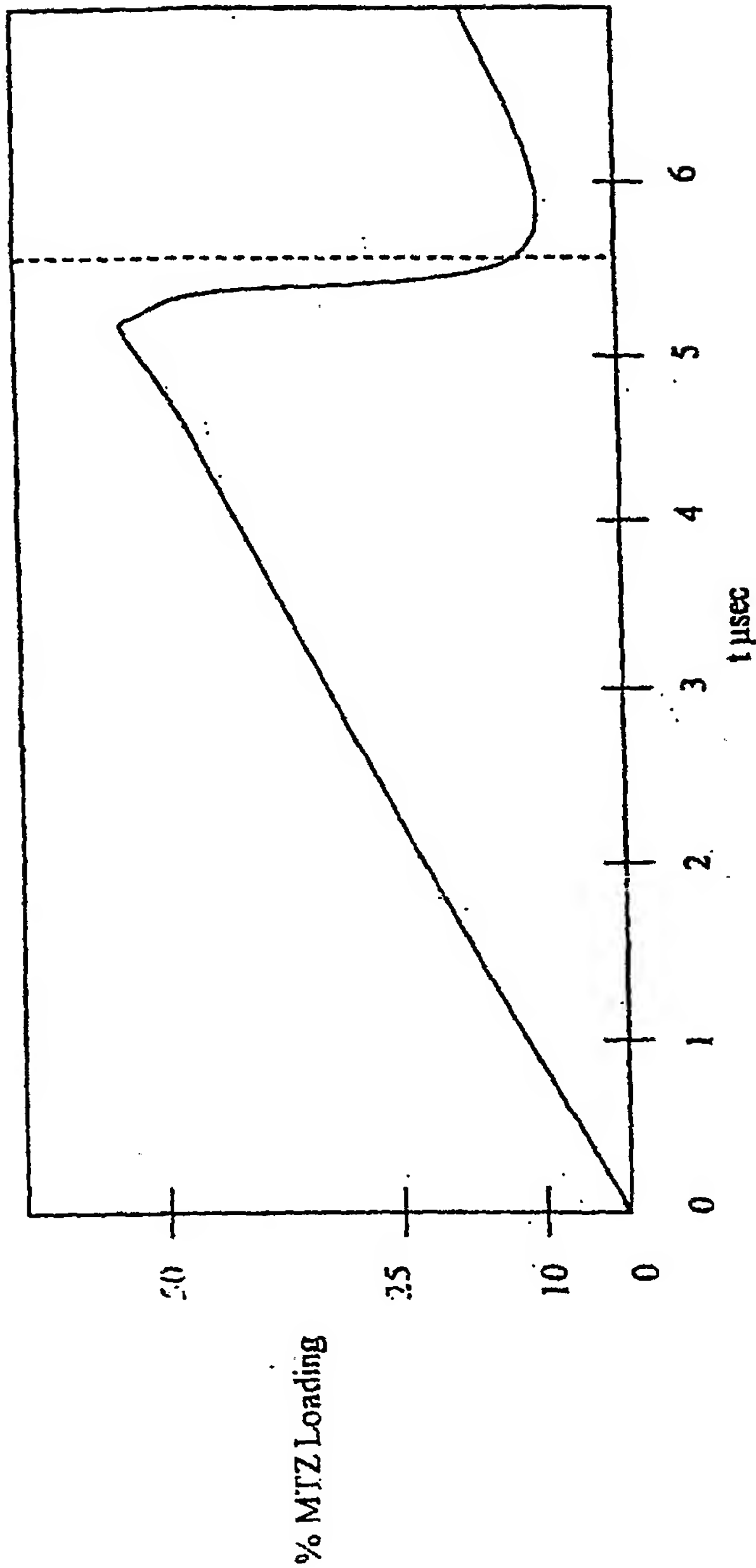


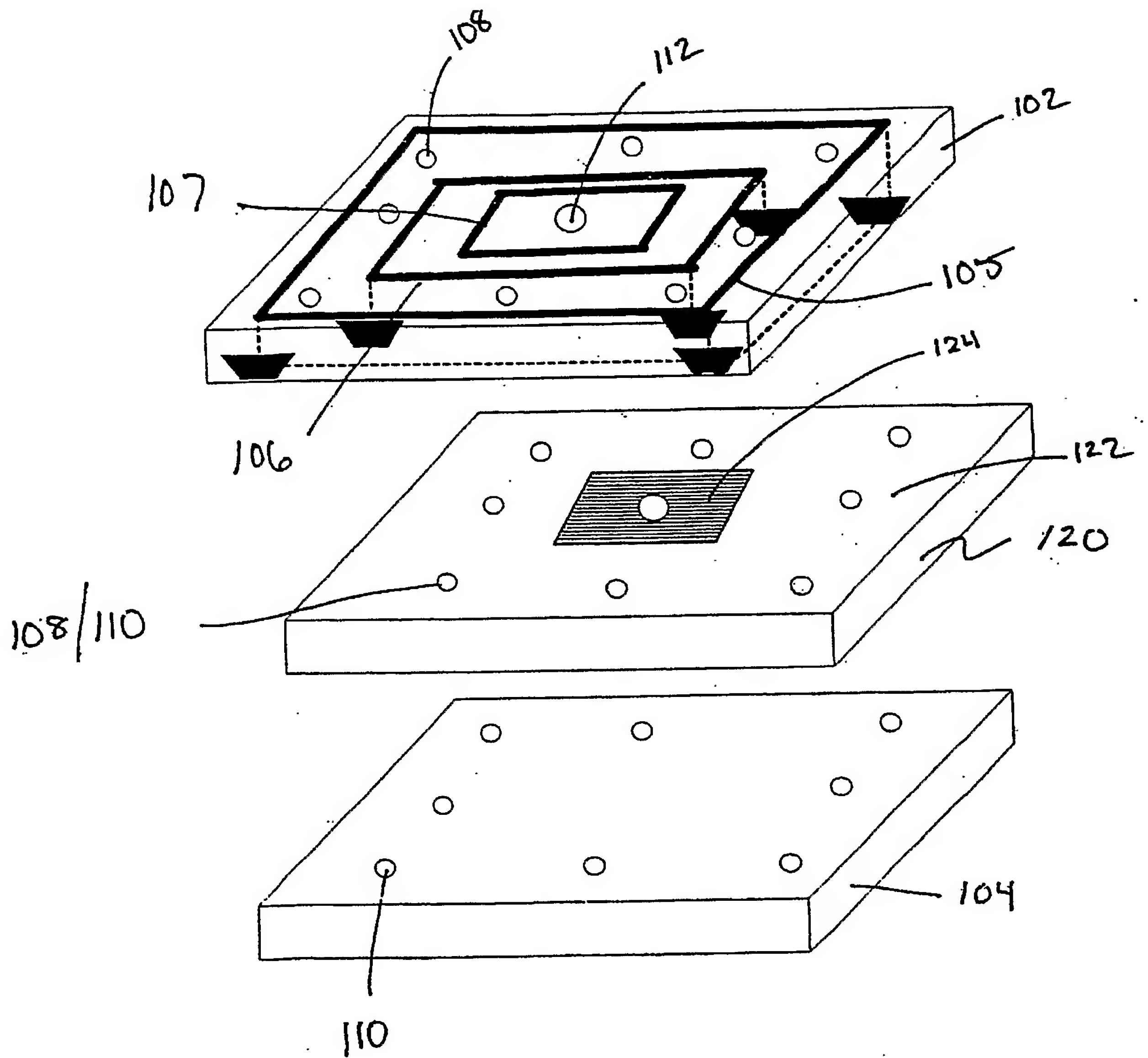
FIGURE 1C



The process is referred to as continuous because it does not cycle between vessels, but, obviously, has periodicity.

4/24

FIGURE 2



5/24

FIGURE 3

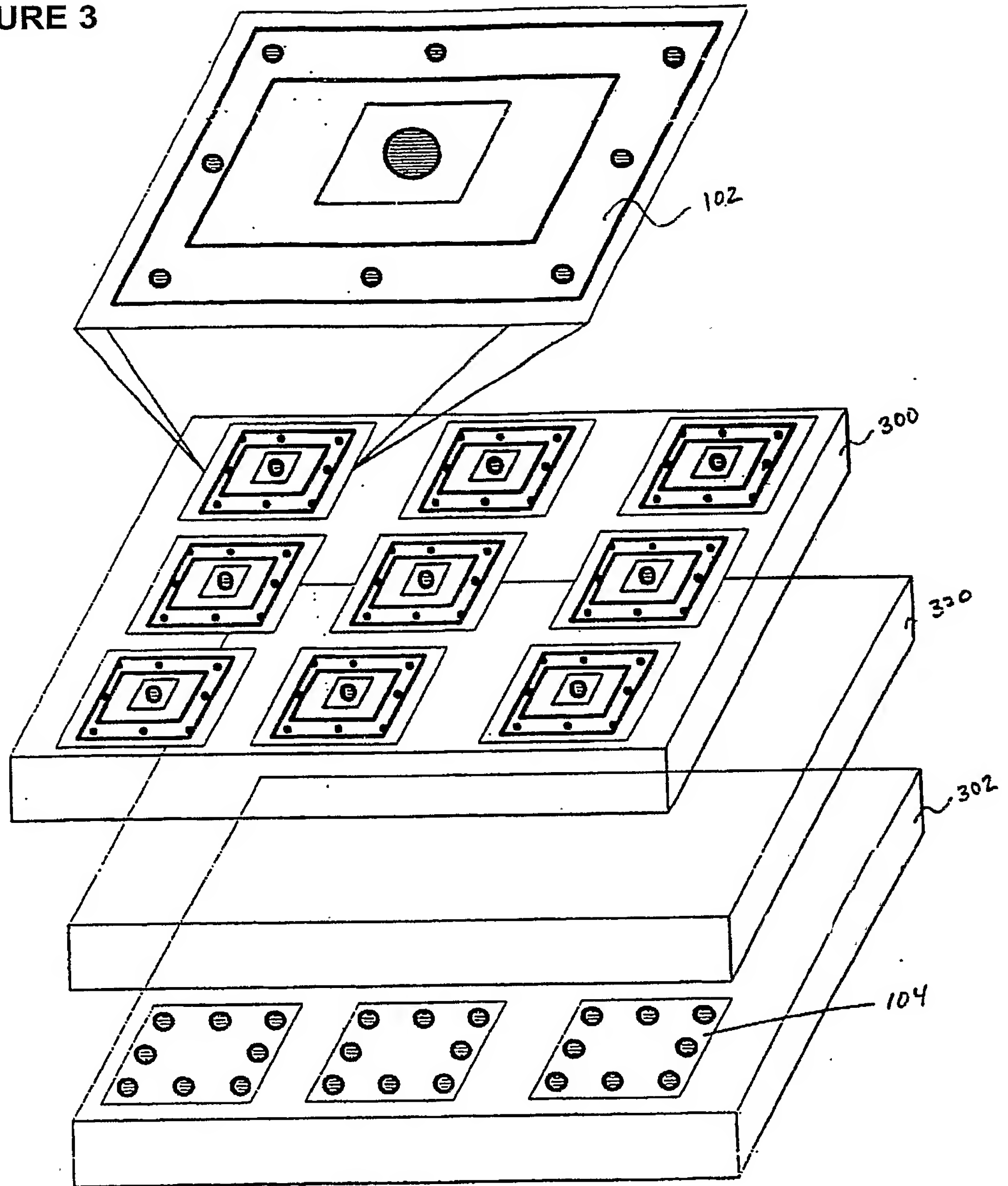
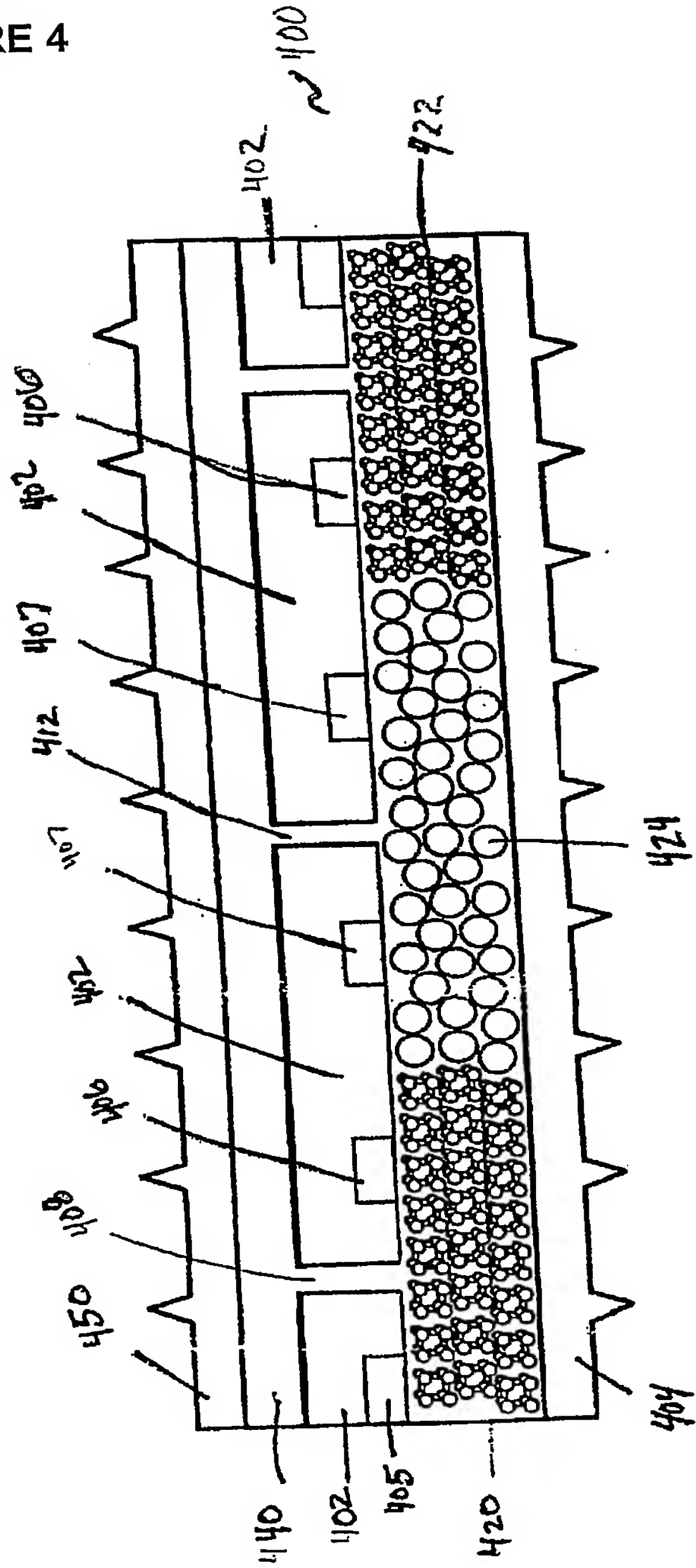
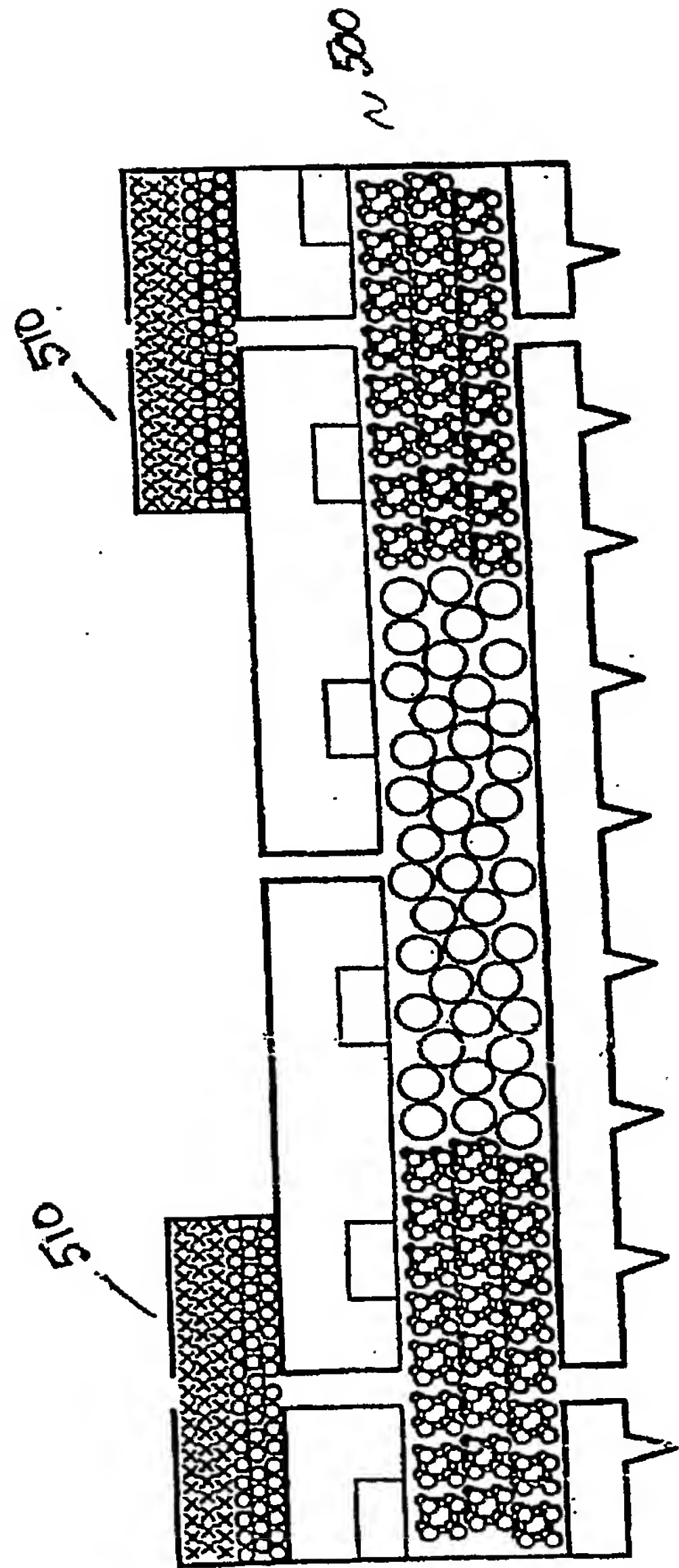


FIGURE 4

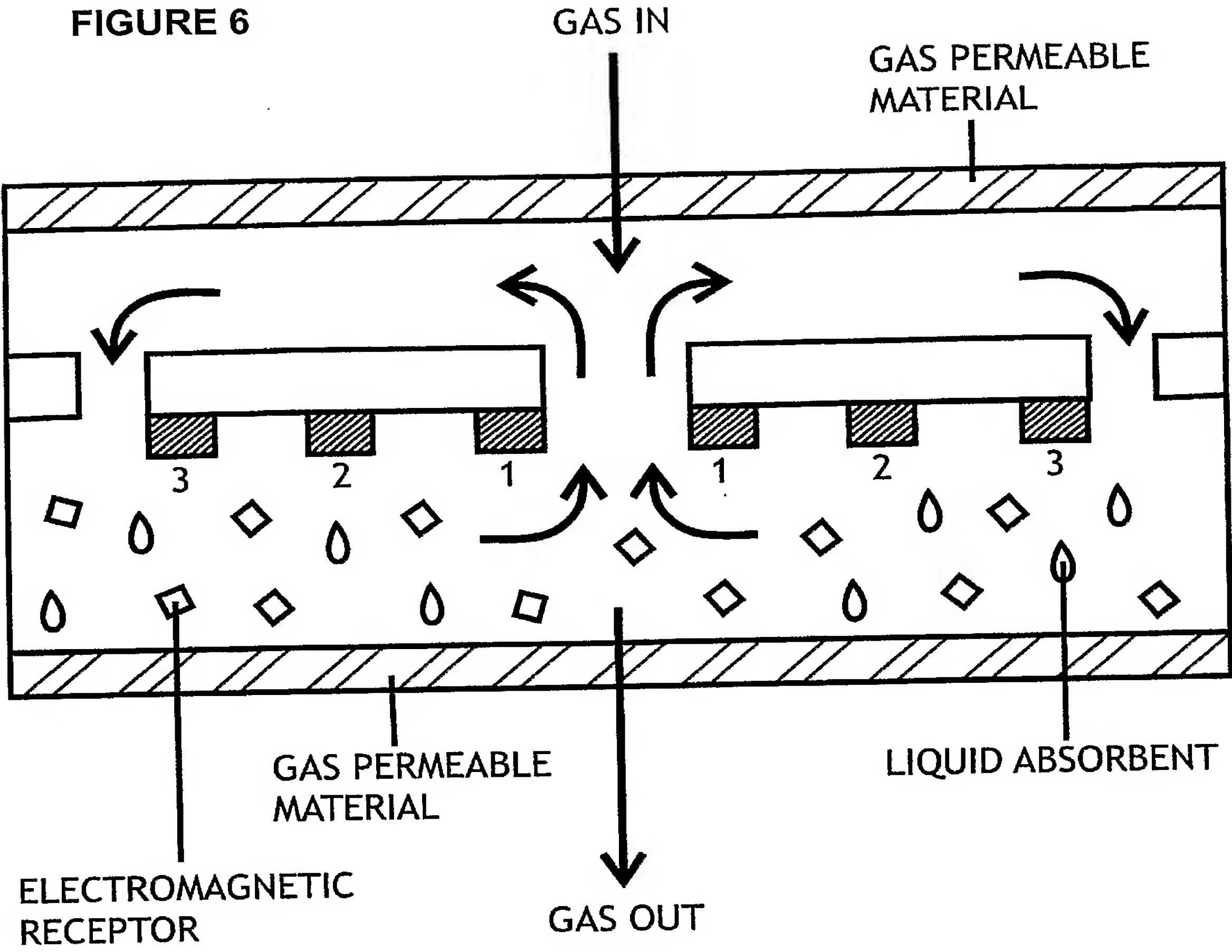


7/24

FIGURE 5



8/24

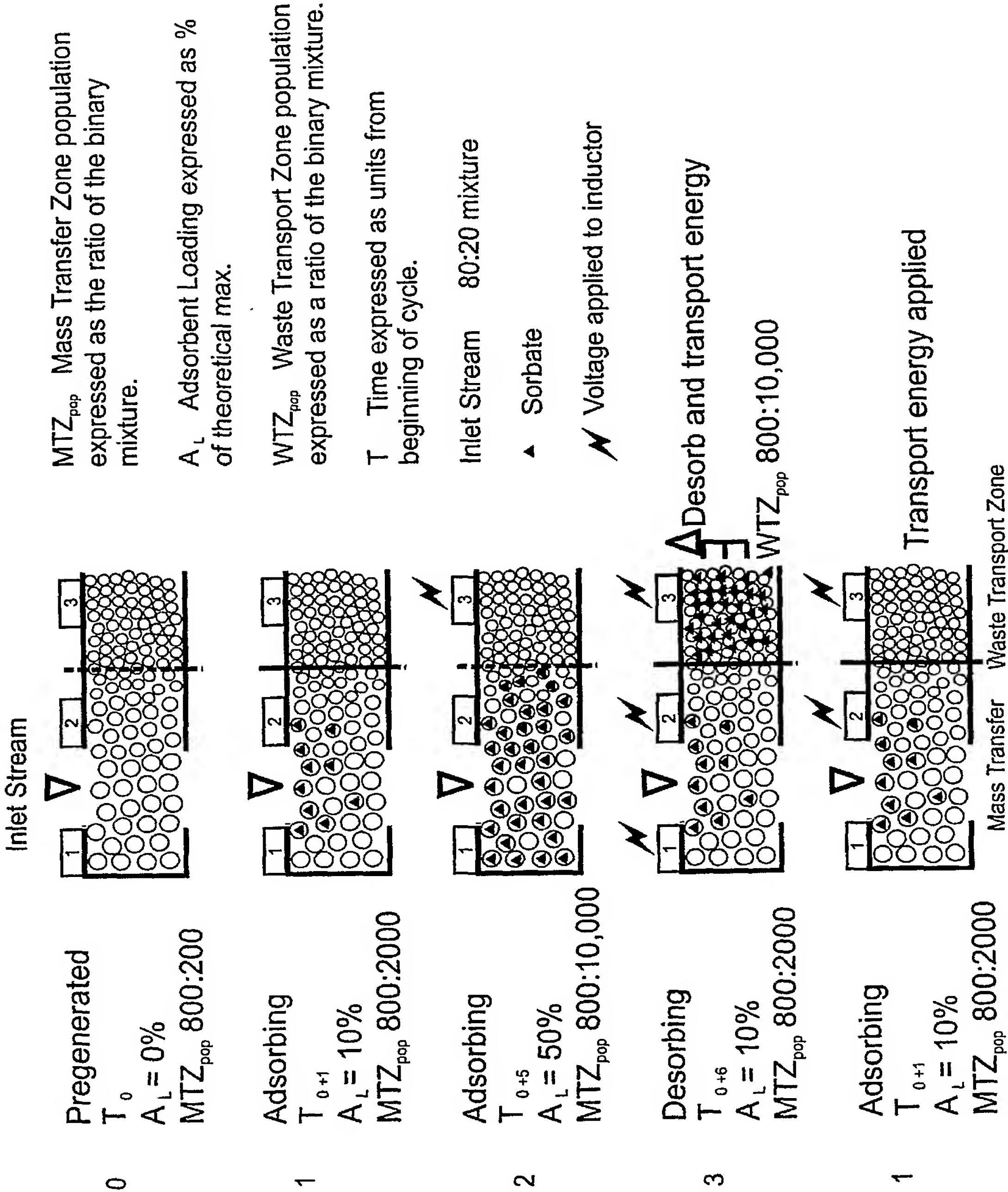


LIQUID ABSORBENT CONTRACTOR

9/24

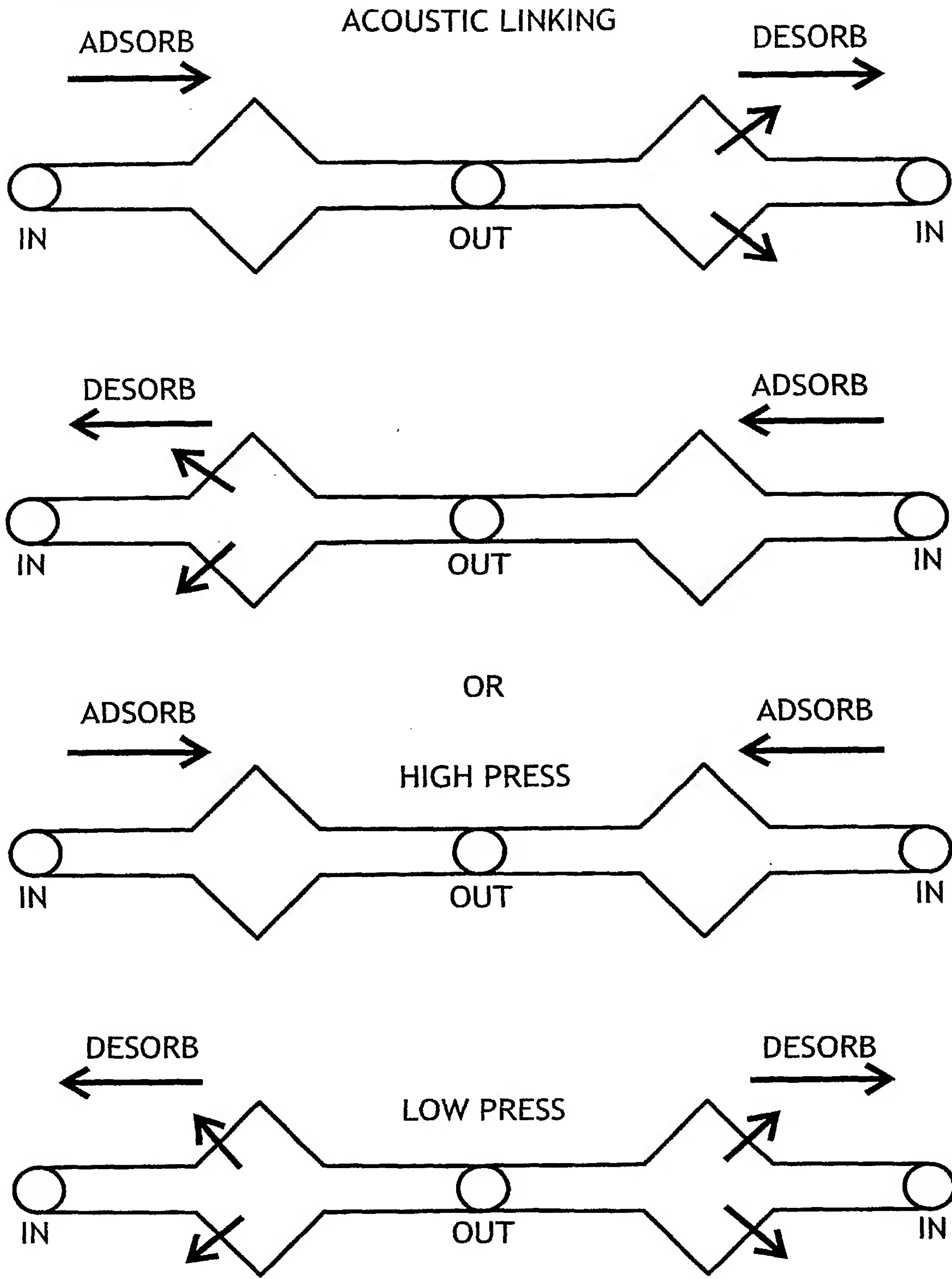
FIGURE 7

Continuous Adsorption Steps



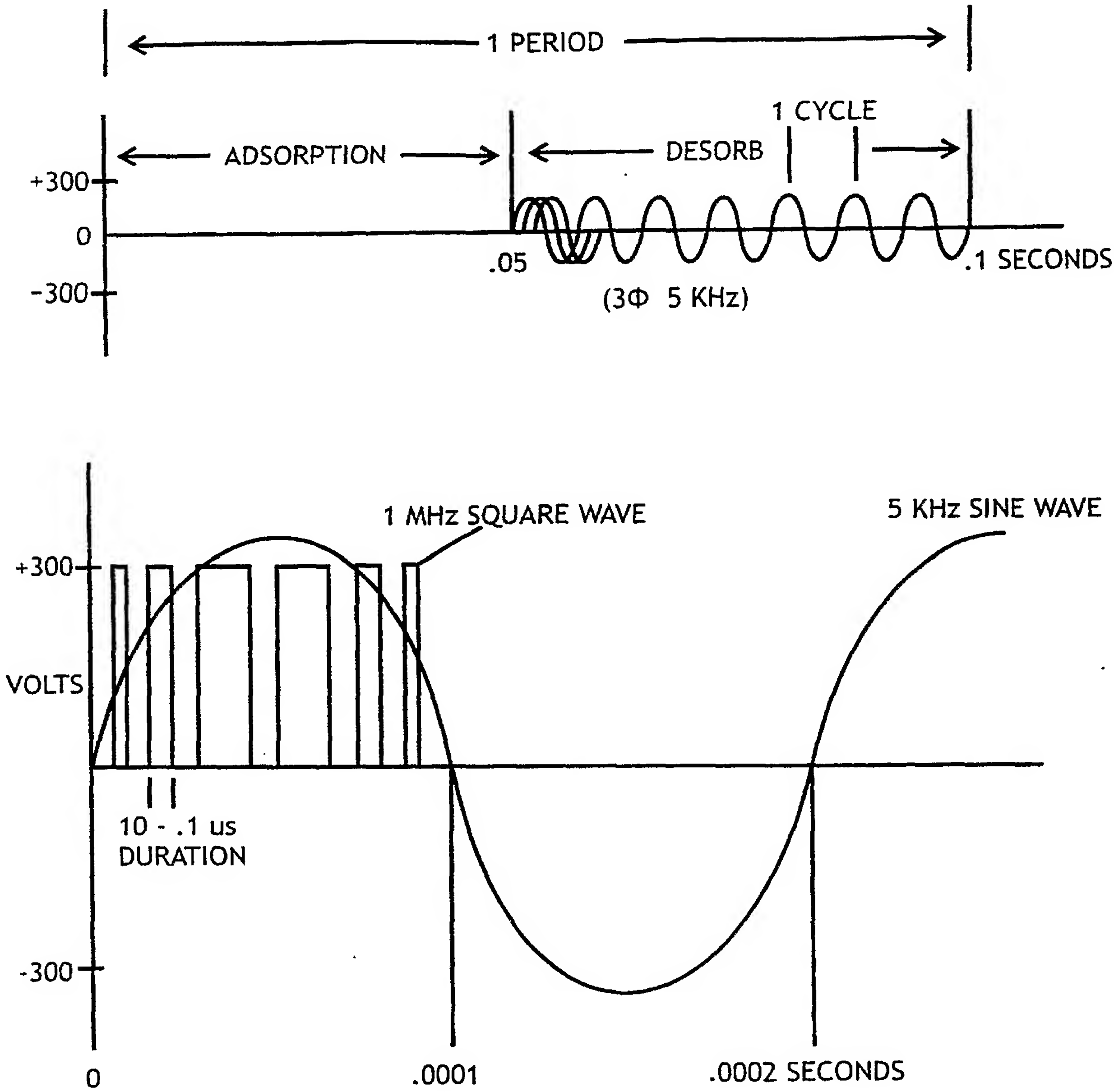
10/24

FIGURE 8



11/24

FIGURE 9



12/24

FIGURE 10A
CASCADED VACUUM PUMP

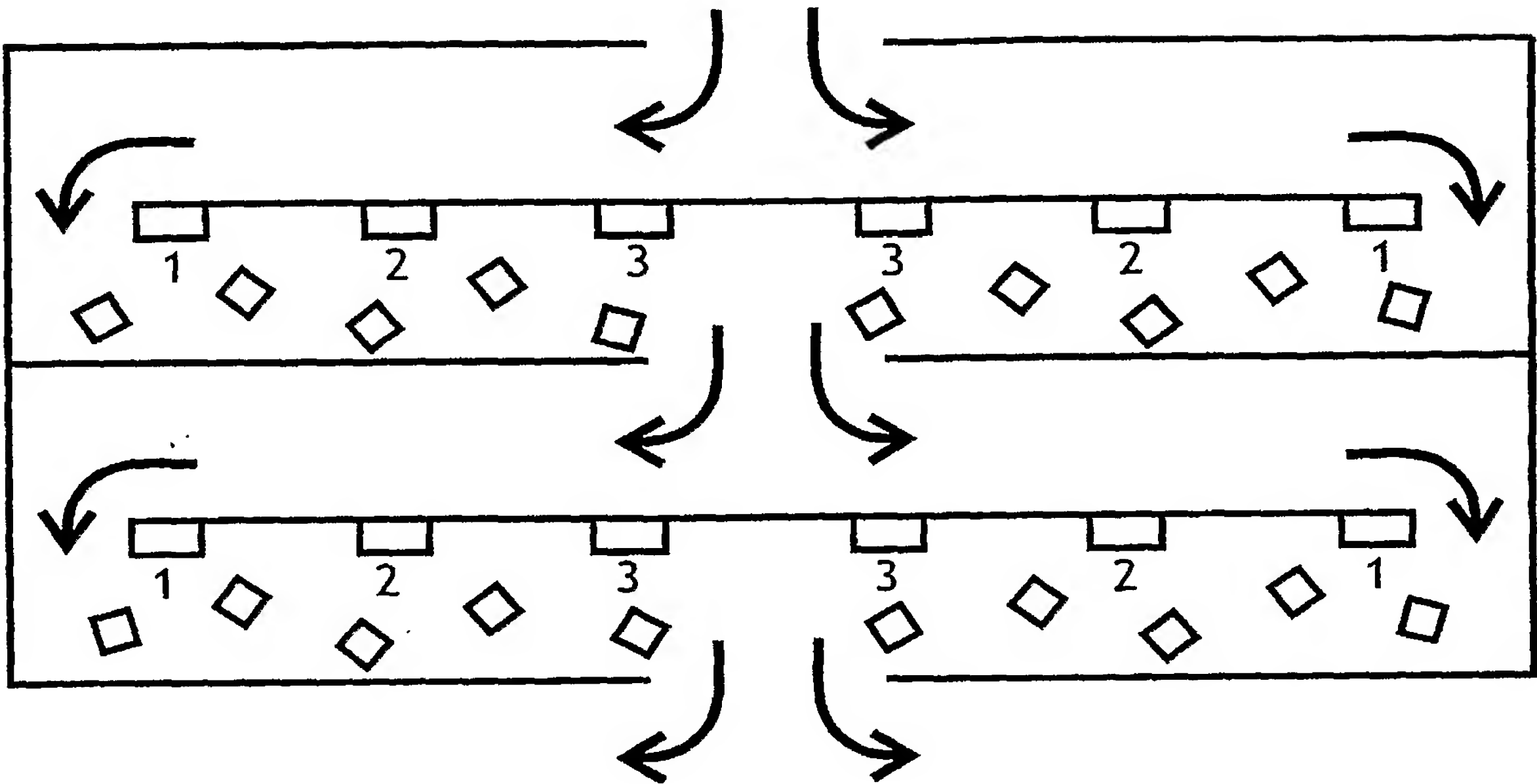
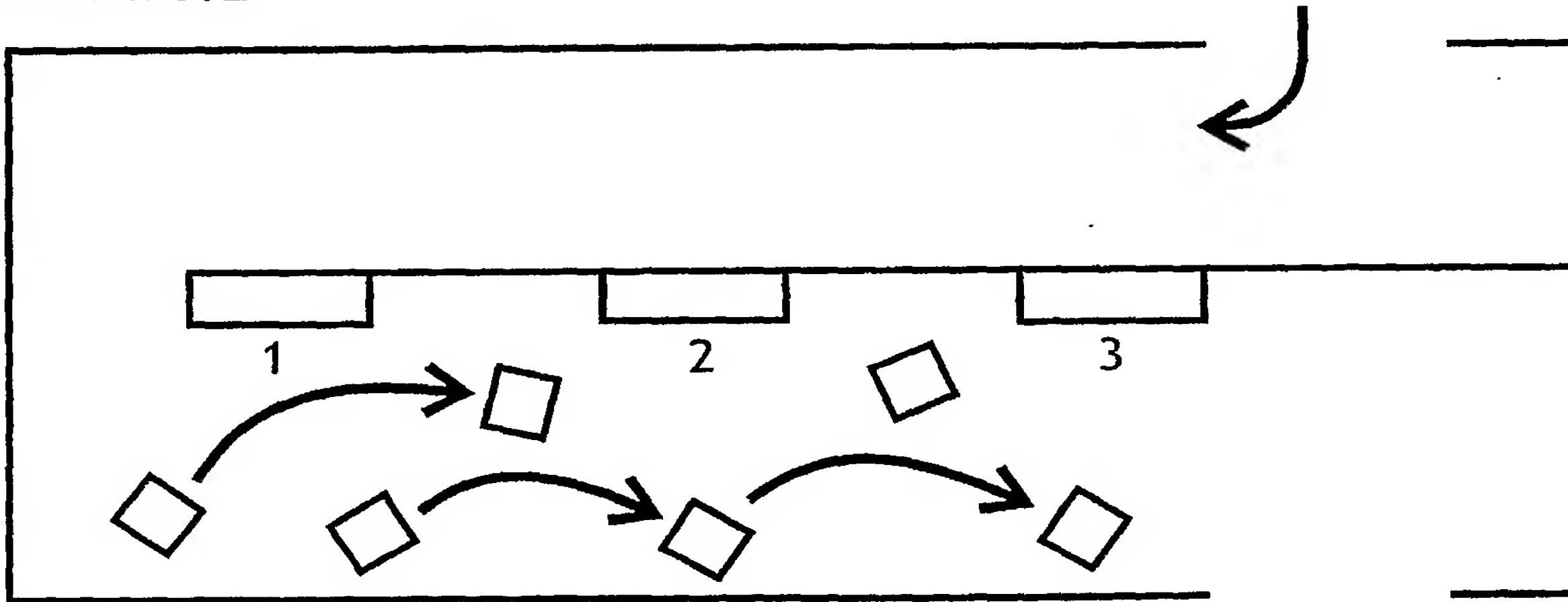
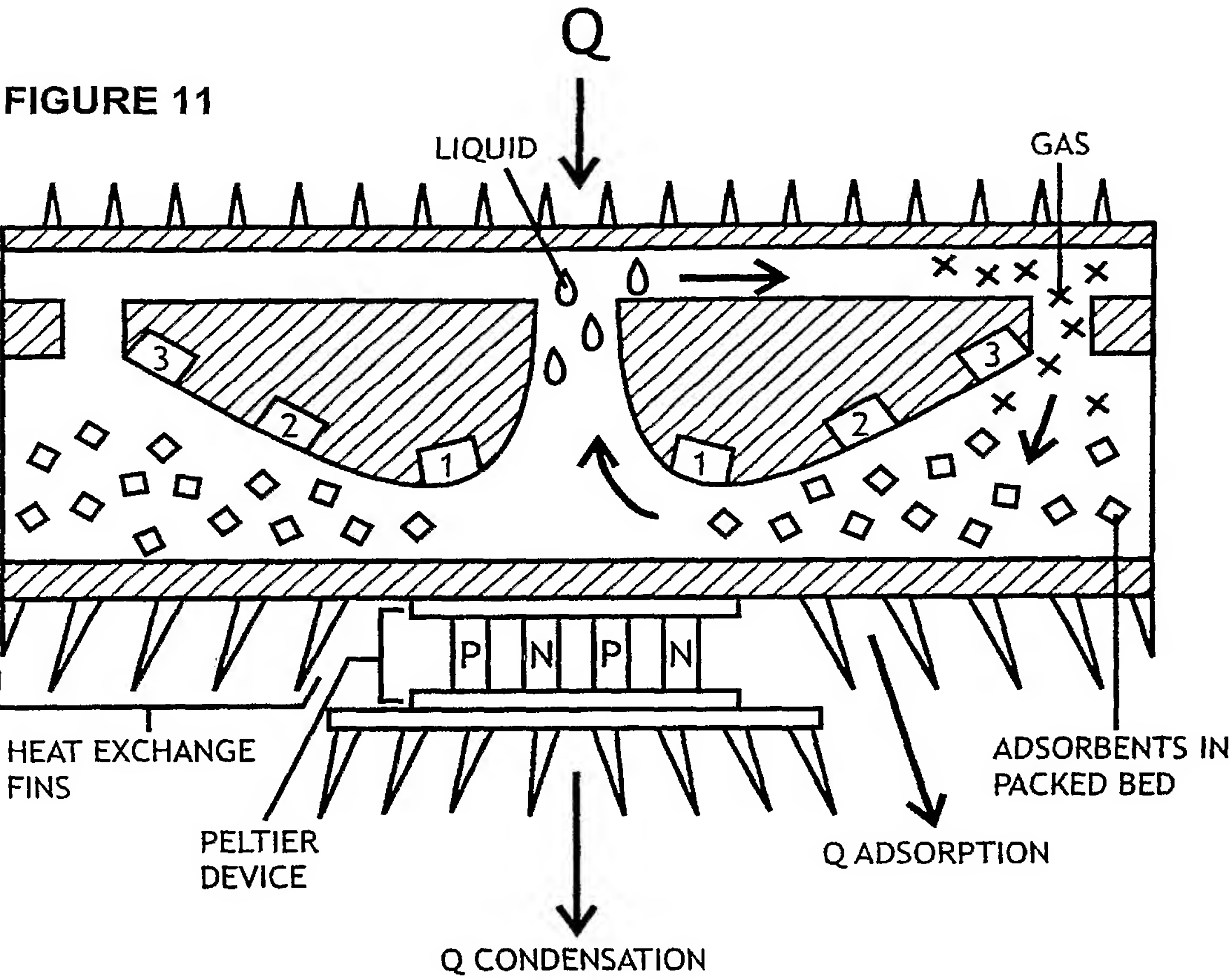


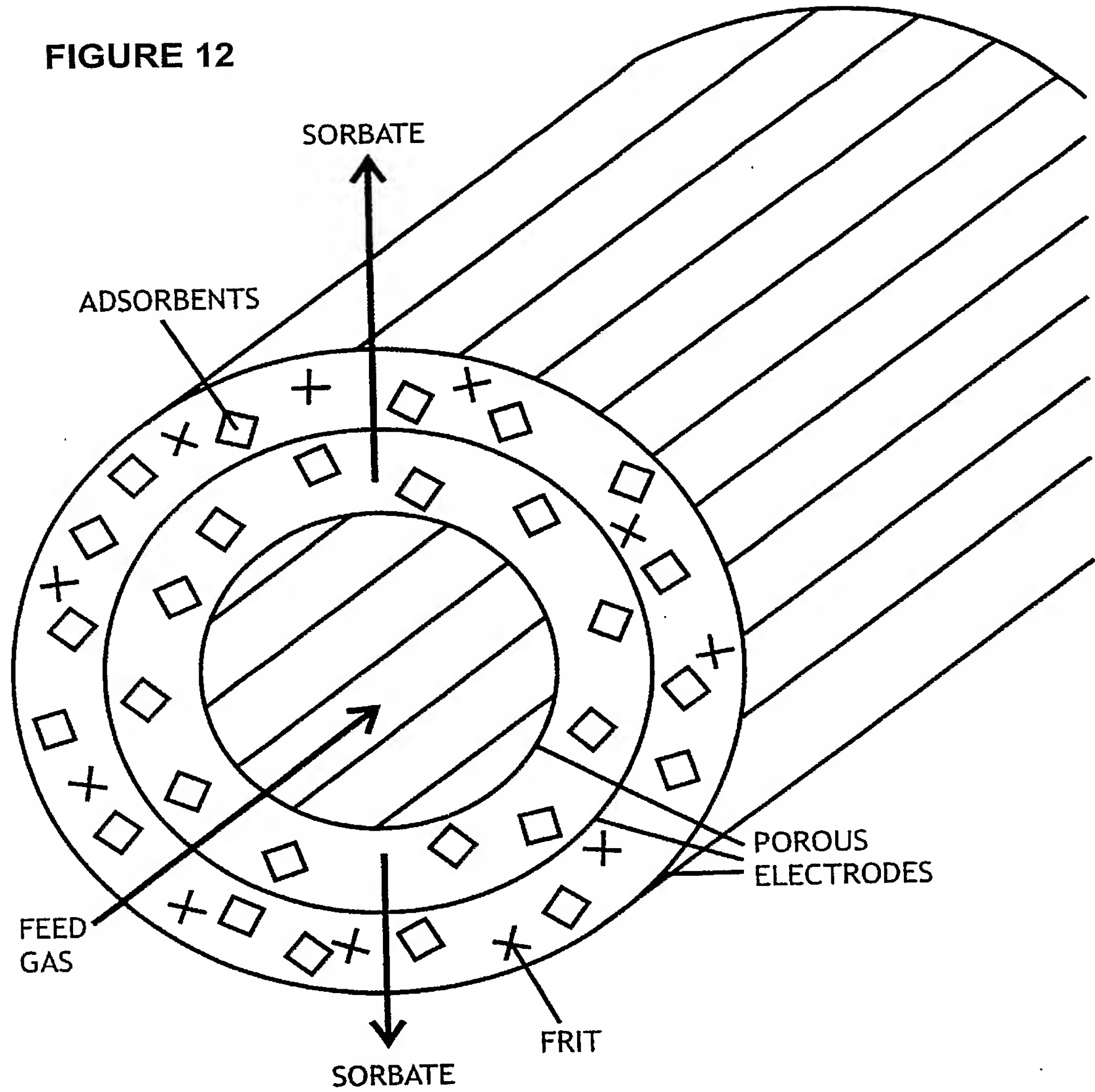
FIGURE 10B
DESORPTION - ADSORPTION SITE HOPPING PHENOMENON





THERMOELECTRIC ASSISTED HEAT PUMP

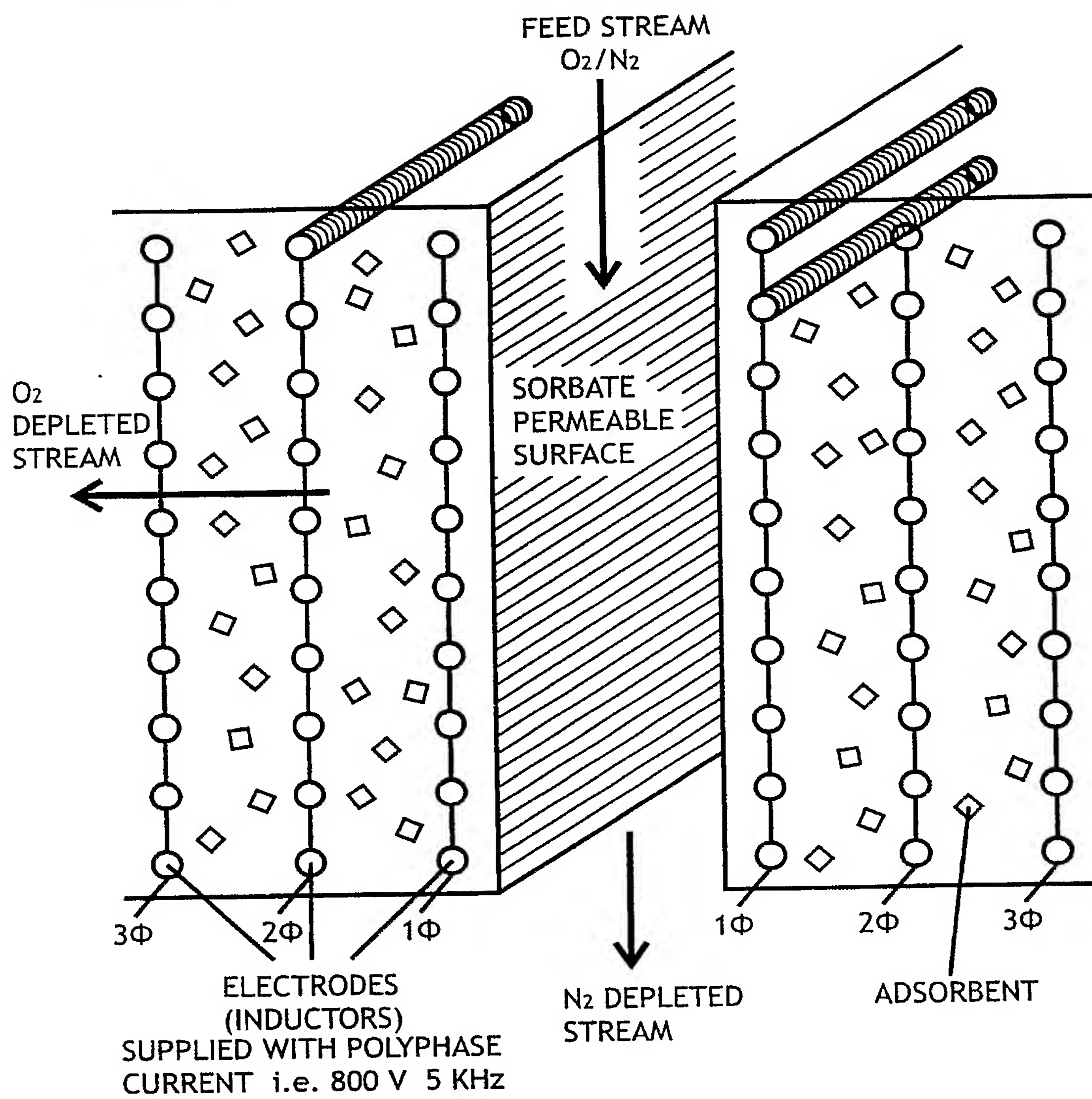
FIGURE 12



ELECTRO KINETICALLY ASSISTED SORPTION MEMBRANE

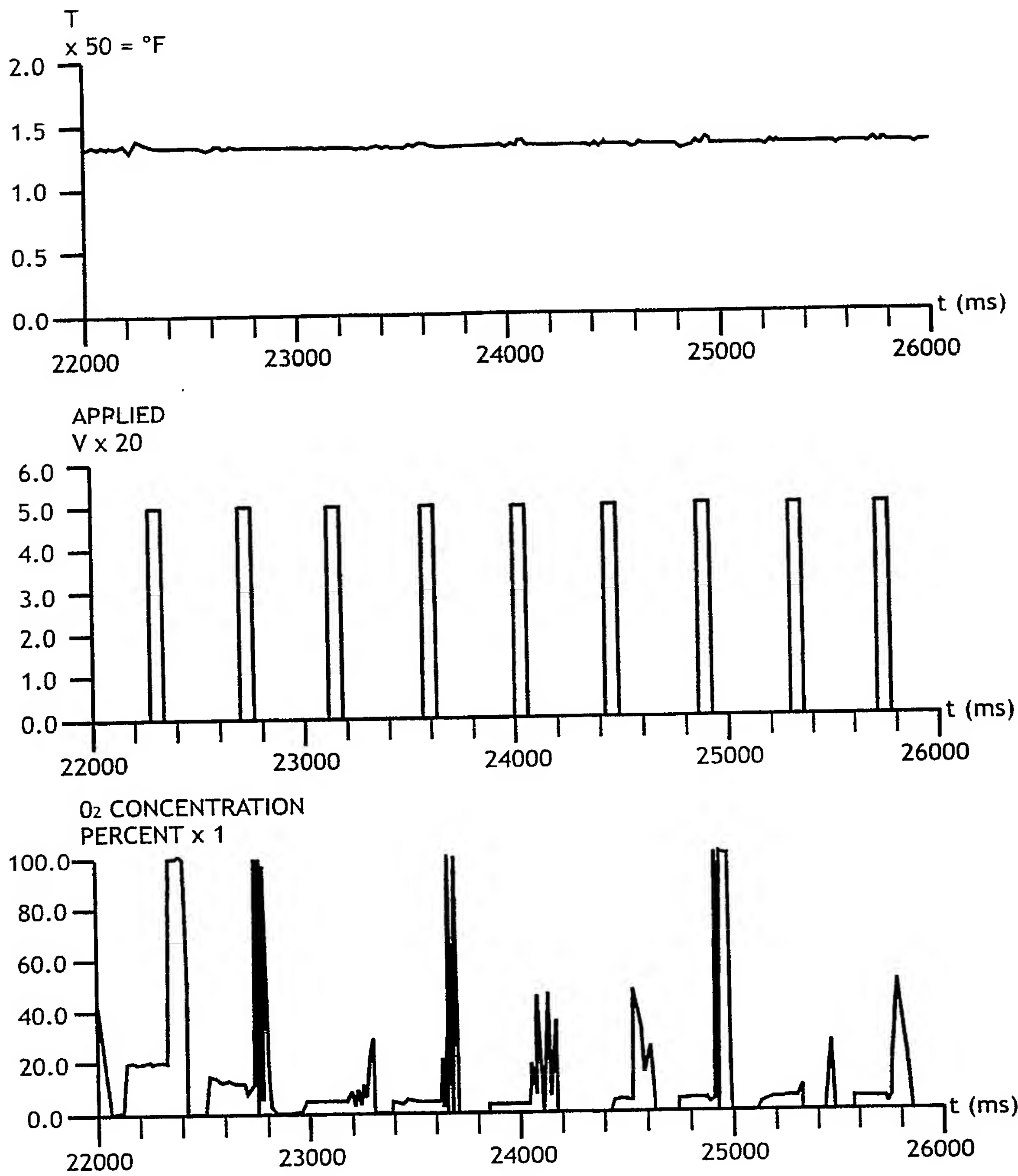
15/24

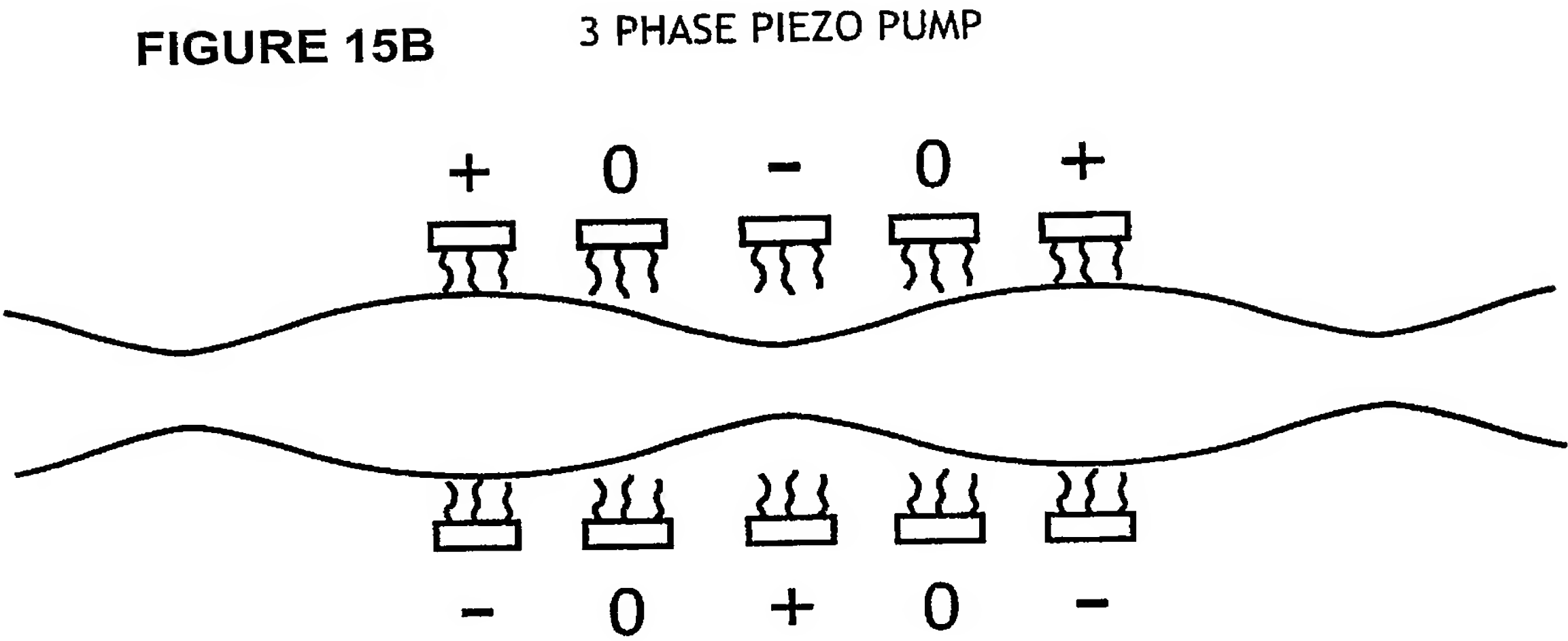
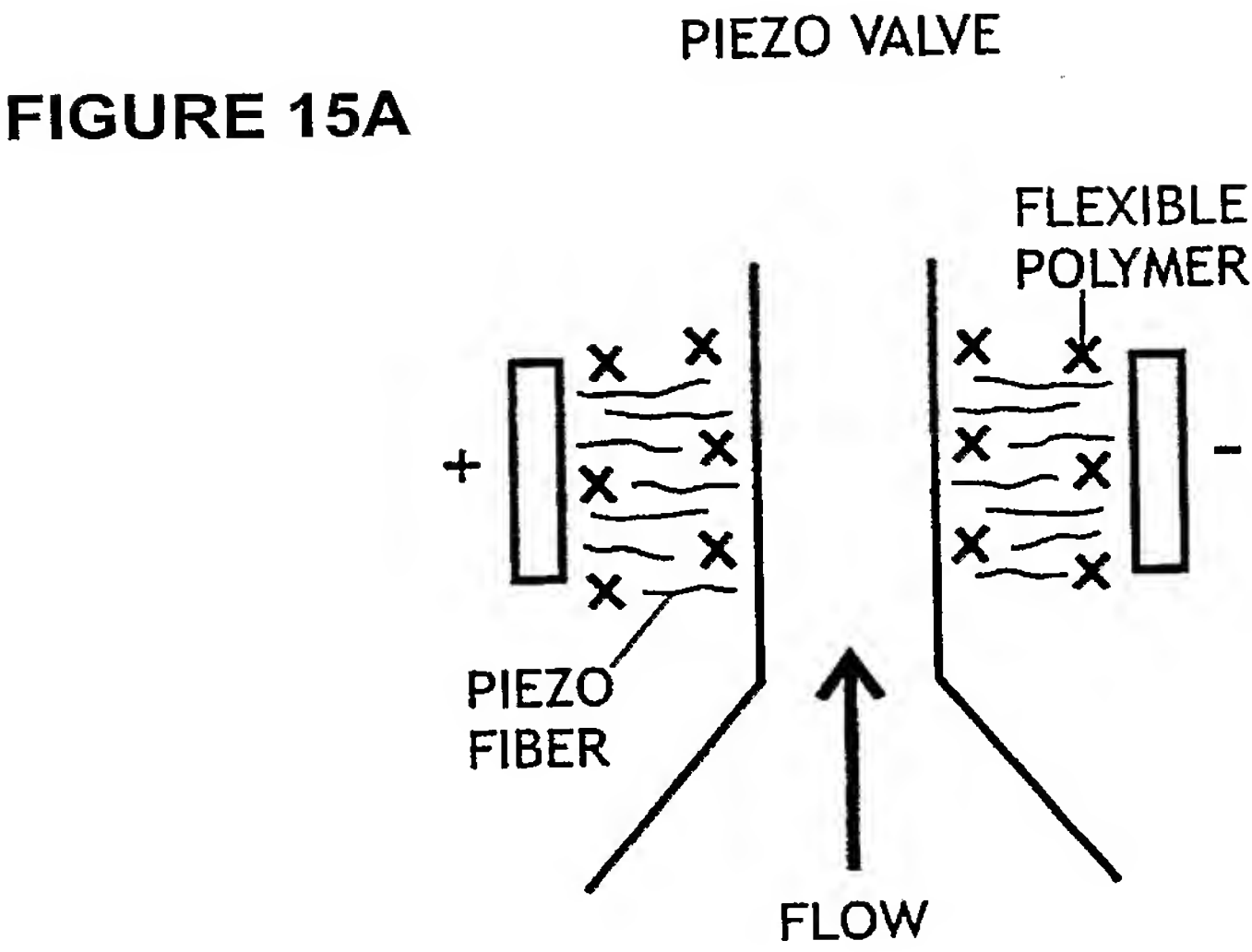
FIGURE 13



ELECTRO KINETICALLY ASSISTED SORBATE DIFFUSION

FIGURE 14





18/24

FIGURE 16

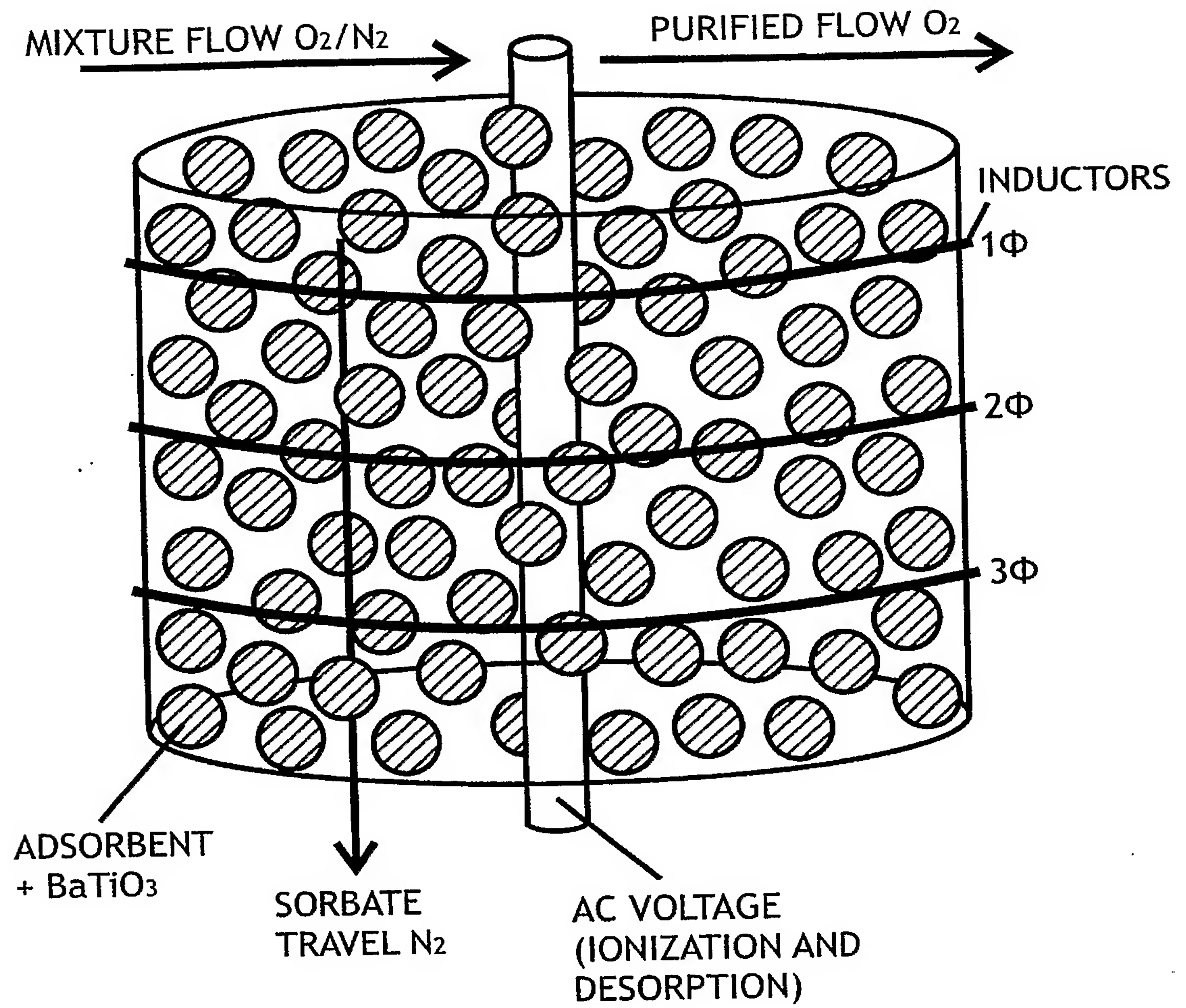


FIGURE 17

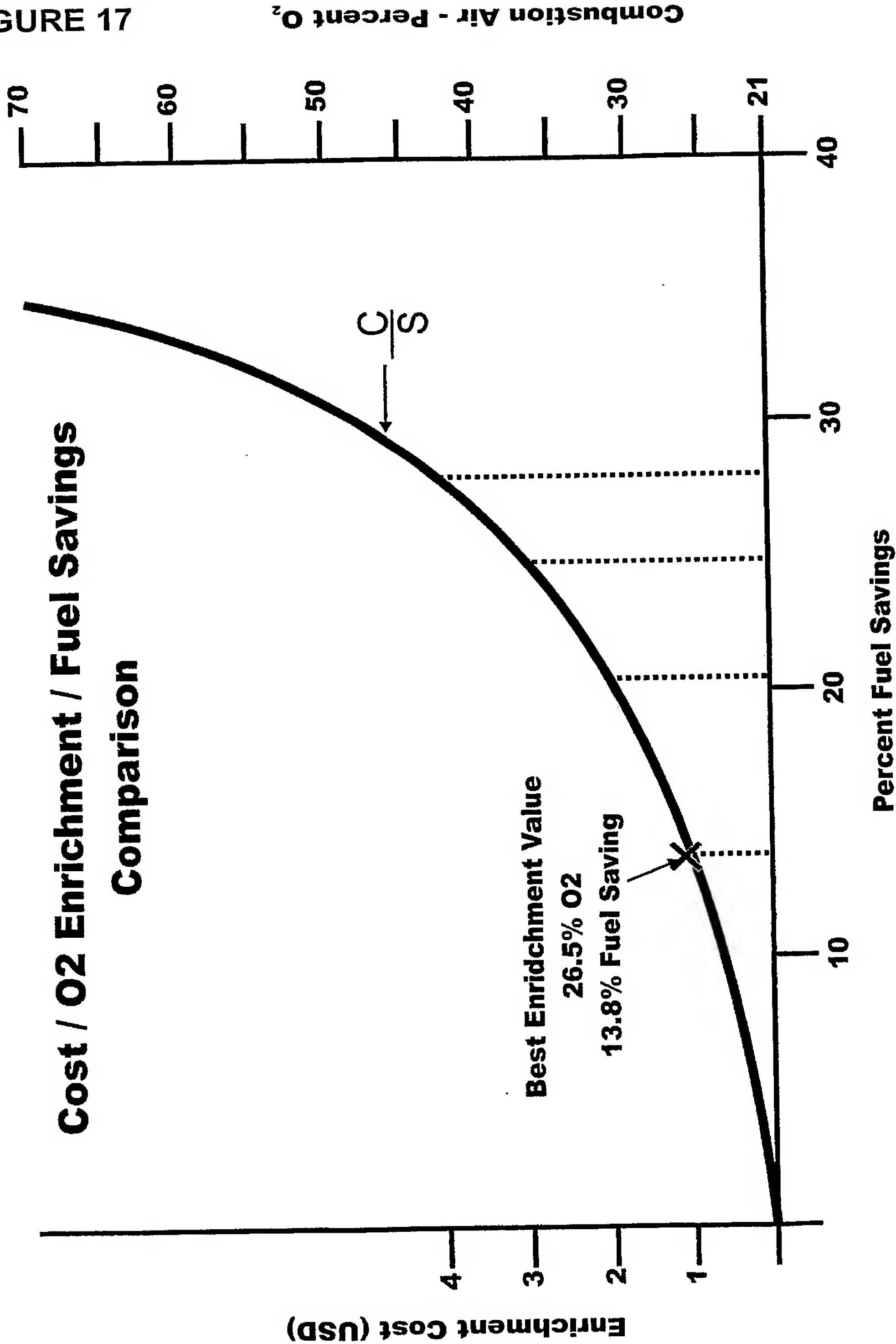
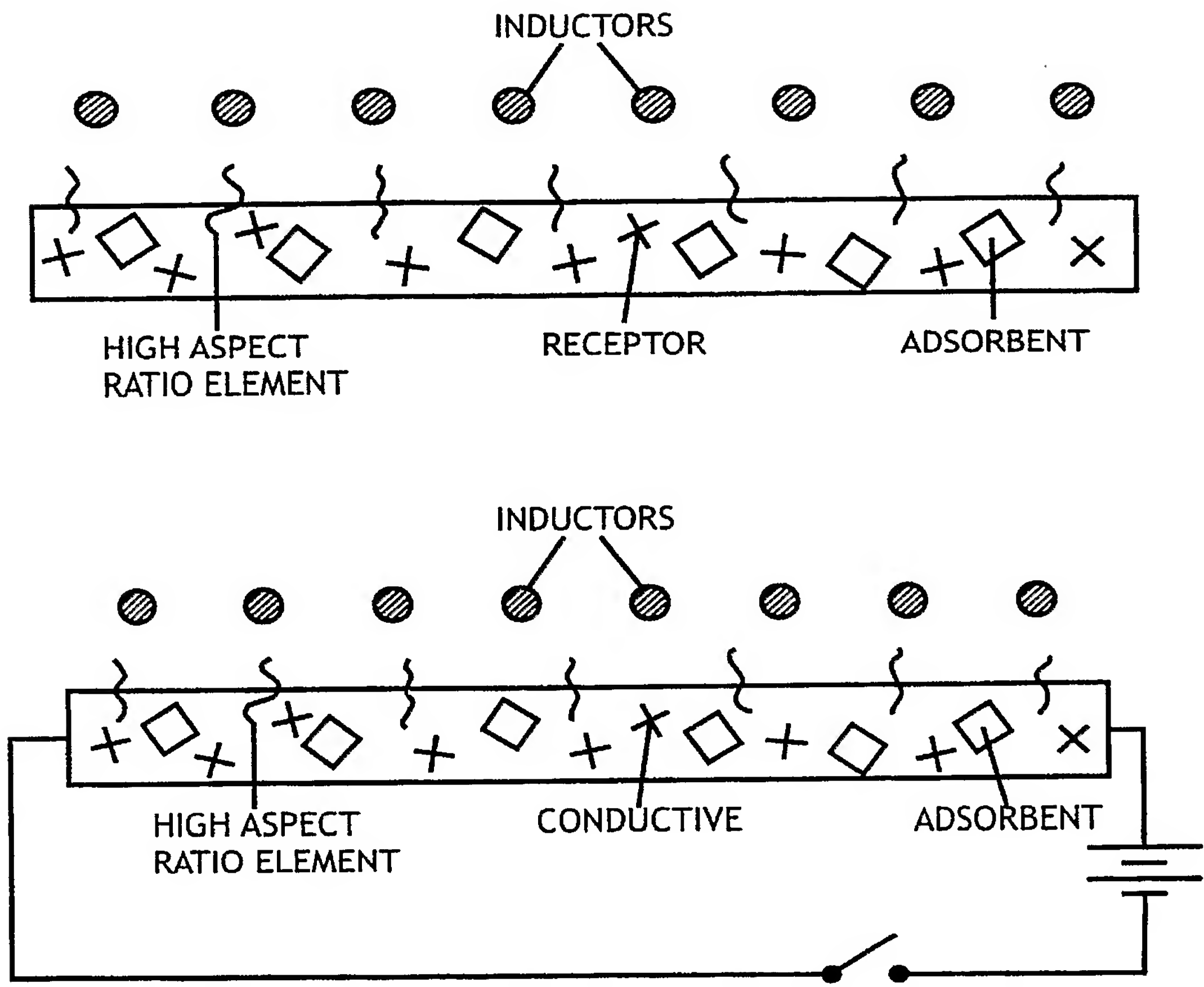
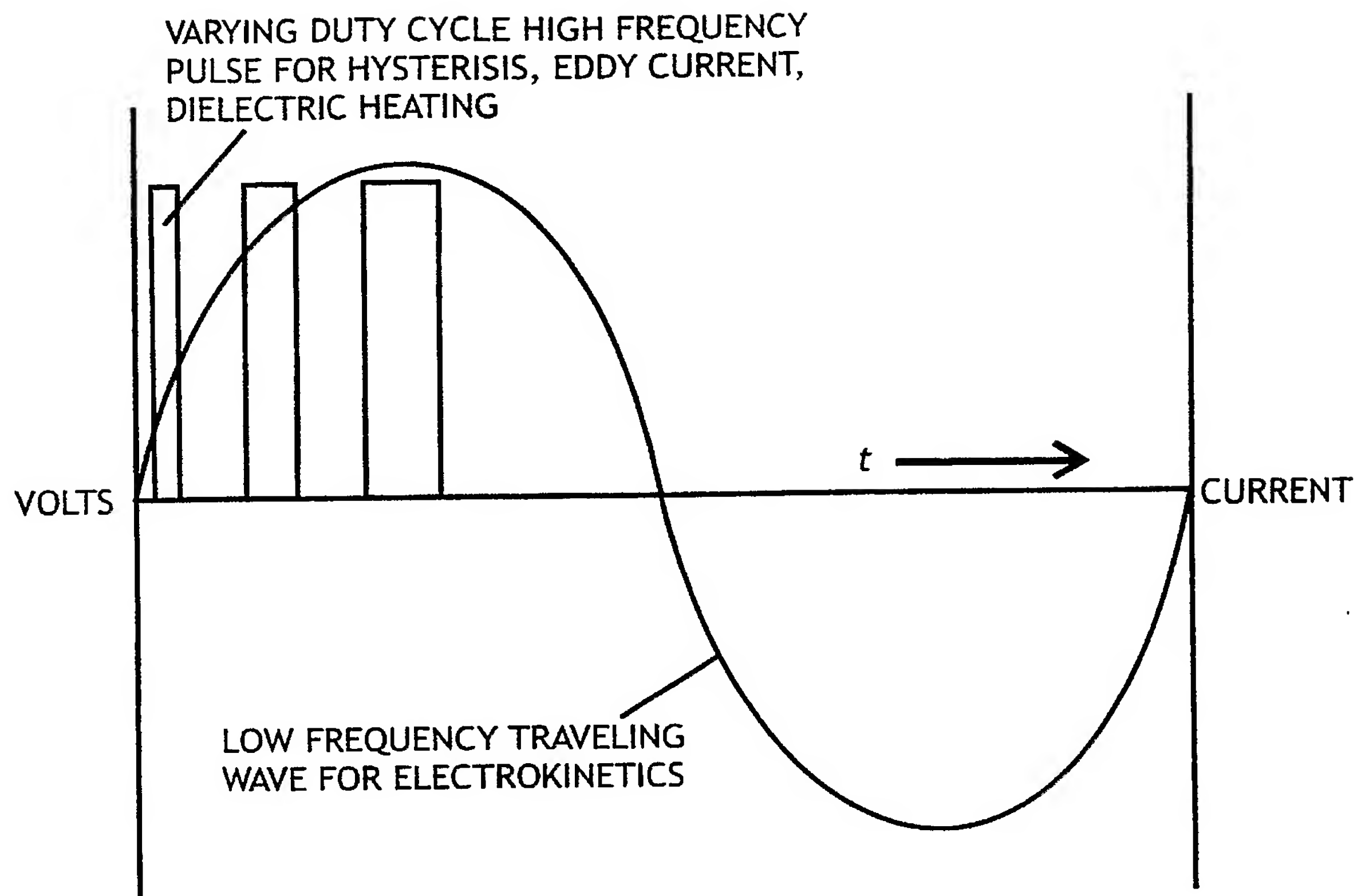


FIGURE 18



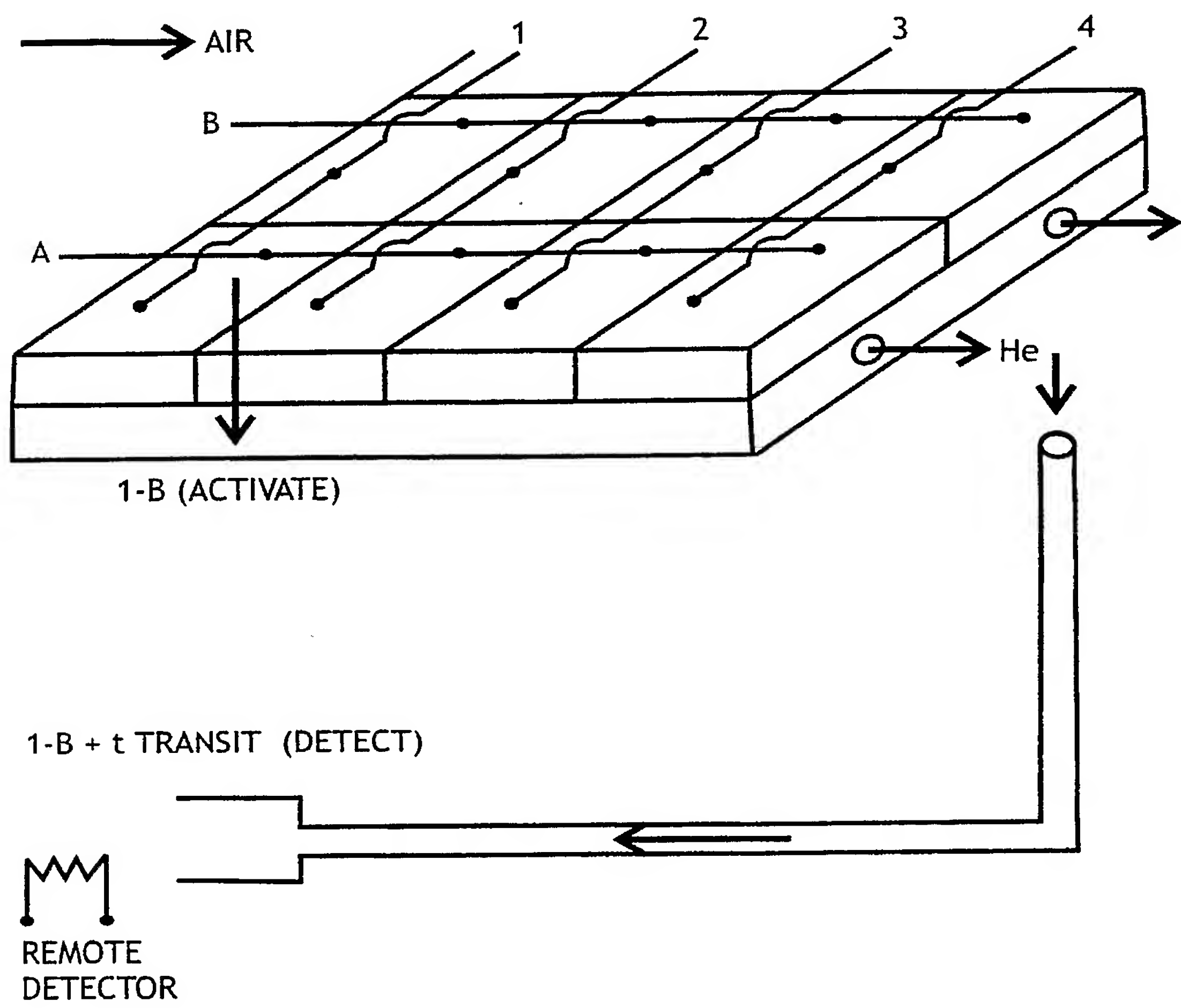
HIGH ASPECT RATIO ELEMENTS AS FIELD CONCENTRATORS FOR IONIZATION

21/24

FIGURE 19

USING PULSE WIDTH MODULATION TO APPROXIMATE A SINE WAVE

FIGURE 20



ADDRESSABLE CONCENTRATOR AND DETECTOR

FIGURE 21

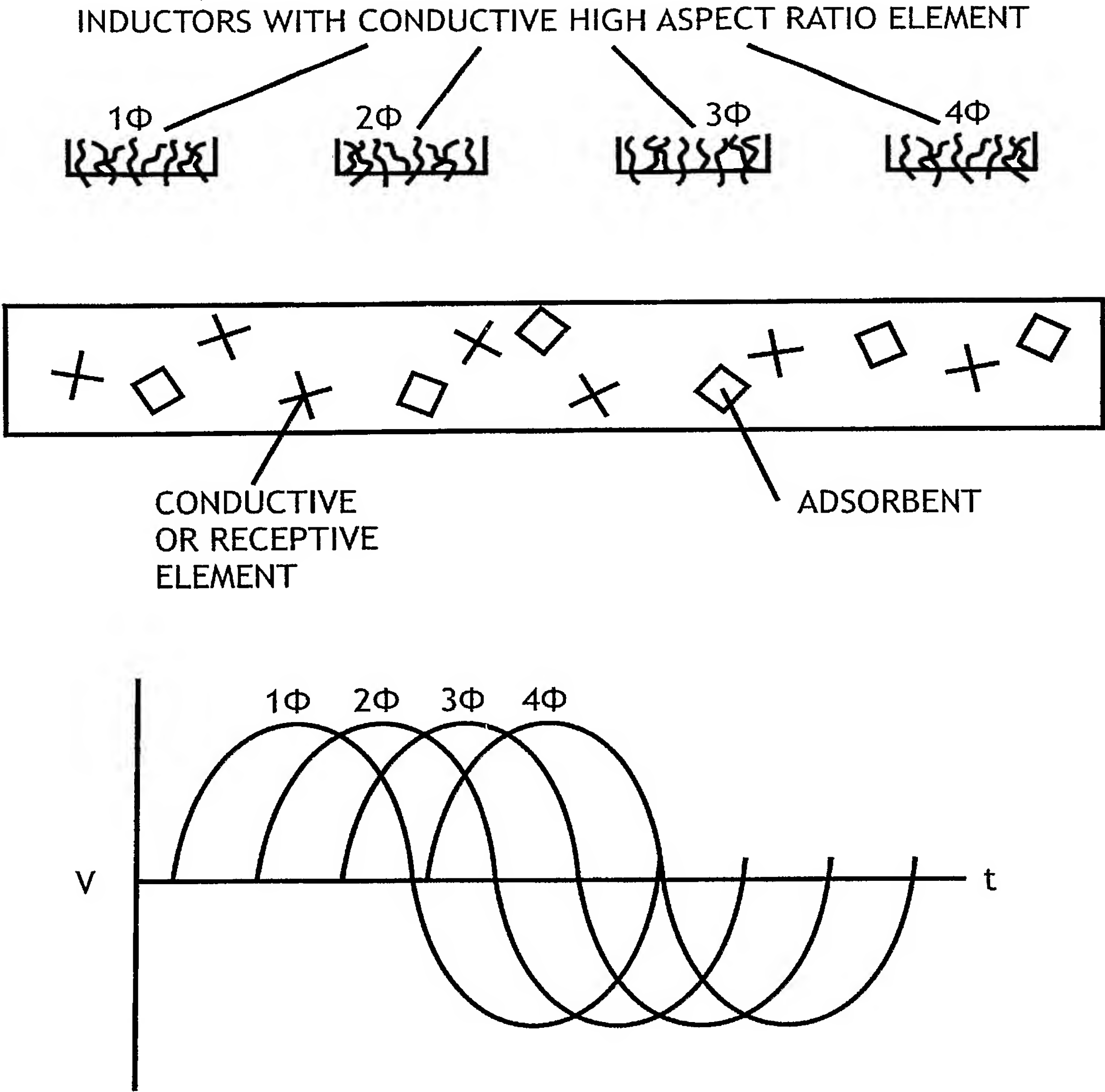


FIGURE 22

